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1	US 20040062220 A1	20040401	35	Locating a wireless user	370/334
2	US 20040037565 A1	20040226	15	Transport of signals over an optical fiber using analog RF multiplexing	398/115
3	US 20030156603 A1	20030821	149	Apparatus and method for trellis encoding data for transmission in digital data transmission systems	370/485
4	US 20030153273 A1	20030814	38	Vector network analyzer applique for adaptive communications in wireless	455/67.14
5	US 20030093187 A1	20030515	188	PFN/TRAC systemTM FAA upgrades for accountable remote and robotics control to stop the unauthorized use of aircraft and to improve equipment management and public safety in transportation	701/1
6	US 20020121892 A1	20020905	21	Modulating device characterization method and apparatus	324/118
7	US 20020105962 A1	20020808	35	Transmitting station for wireless telephone system with diversity transmission and	370/442
8	US 20020101847 A1	20020801	36	Wireless telephone system with diversity transmission and method	370/347
9	US 20020097704 A1	20020725	36	Receiving station for wireless telephone system with diversity transmission and	370/342
10	US 20020093934 A1	20020718	36	Transmitting station for wireless telephone system with diversity transmission and	370/342
11	US 20020089966 A1	20020711	36	Receiving station for wireless telephone system with diversity transmission and	370/342
12	US 20020071435 A1	20020613	35	Transfer station for wireless telephone distribution system with time and space diversity transmission	370/394
13	US 20020067802 A1	20020606	20	System and method for single-ended line analysis for qualification and mapping	379/1.04
14	US 20020015423 A1	20020207	148	Apparatus and method for trellis encoding data for transmission in digital data transmission systems	370/485
15	US 20010050926 A1	20011213	60	In-band on-channel digital broadcasting method and system	370/529
16	US 20010046266 A1.	20011129	149	Apparatus and method for scdma digital data transmission using orthogonal codes and head end modem with no tracking loops	375/259
17	US 20010038318 A1	20011108	214	Phased array antenna applications for universal frequency translation	331/135
18	US 20010024474 A1	20010927	149	Apparatus and method for trellis encoding data for transmission in digital data transmission systems	375/259

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1		Bolgiano, D. Ridgely et al.	US 20040062220
2	398/116	Young, Robin et al.	US 20040037565
3		Rakib, Selim Shlomo et al.	US 20030156603
4		Ebert, Paul Michael et al.	US 20030153273
5	701/36	Walker, Richard C.	US 20030093187
6		Vandersteen, Gerd et al.	US 20020121892
7	370/342; 370/347	Bolgiano, D. Ridgely et al.	US 20020105962
8	370/334; 370/442	Bolgiano, D. Ridgely et al.	US 20020101847
9	370/335	Bolgiano, D. Ridgely et al.	US 20020097704
10	370/335	Bolgiano, D. Ridgely et al.	US 20020093934
11	370/441	Bolgiano, D. Ridgely et al.	US 20020089966
12	370/389	Bolgiano, D. Ridgely et al.	US 20020071435
13		Smith, David R. et al.	US 20020067802
14	370/487; 370/503; 370/516	Rakib, Selim Shlomo et al.	US 20020015423
15	370/487; 375/347	Kumar, Derek D.	US 20010050926
16	375/354; 375/371	Rakib, Selim Shlomo et al.	US 20010046266
17	342/371	Johnson, Martin R. et al.	US 20010038318
18	375/354	Rakib, Selim Shlomo et al.	US 20010024474

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19	US 20010001616 A1	20010524	149	Apparatus and method for SCDMA digital data transmission using orthogonal codes and a head end modem with no tracking	375/259
20	US 6697633 B1	20040224	112	Method permitting increased frequency re-use in a communication network, by recovery of transmitted information from multiple cochannel signals	455/509
21	US 6665545 B1	20031216	26	Method and apparatus for adaptive transmission beam forming in a wireless communication system	455/562.1
22	US 6665308 B1	20031216	136	Apparatus and method for equalization in distributed digital data transmission systems	370/441
23	US 6658234 B1	20031202	112	Method for extending the effective dynamic range of a radio receiver system	
24	US 6647250 B1	20031111	149	Method and system for ensuring reception of a communications signal	455/102
25	US 6639393 B2	20031028	26	Methods and apparatus for time-domain measurement with a high frequency circuit analyzer	324/76.19
26	US 6625222 B1	20030923	16	Apparatus and method for high-speed wireless upstream data transmission using CATV-compatible modems	375/259
27	US 6563880 B1	20030513	38	Method and system for simultaneously broadcasting and receiving digital and analog signals	375/260
28	US 6535666 B1	20030318	112	Method and apparatus for separating signals transmitted over a waveguide	385/31
29	US 6529844 B1	20030304	21	Vector network measurement system	702/85

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19	375/344	Rakib, Selim Shlomo et al.	US 20010001616
20	455/450	Dogan, Mithat Can et al.	US 6697633
21	455/273; 455/63.4	Raleigh, Gregory Gene et al.	US 6665545
22	370/442; 370/479; 370/503; 375/222; 375/233	Rakib, Selim Shlomo et al.	US 6665308
23	342/373; 342/378; 455/276.1; 455/278.1; 455/304; 455/305	Dogan, Mithat Can et al.	US 6658234
24	455/61	Bultman, Michael J. et al.	US 6647250
25	324/606; 324/658; 324/76.22; 324/765; 330/2; 330/251; 330/277	Tasker, Paul Juan et al.	US 6639393
26	725/111	Bertonis, James G. et al.	US 6625222
27	375/271; 375/302; 375/324; 375/340; 455/102	Hunsinger, Bill J. et al.	US 6563880
28	385/12; 398/82	Dogan, Mithat Can et al.	US 6535666
29	324/601; 324/613; 702/76	Kapetanic, Peter et al.	US 6529844

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30	US 6525875 B1	20030225	180	Microscope generating a three-dimensional representation of an object and images generated by such a microscope	359/371
31	US 6498582 B1	20021224	26	Radio frequency receiving circuit having a passive monopulse comparator	342/149
32	US 6487187 B1	20021126	13	Random access control channel gain control and time slot recovery for remote in-band translator in time division multiple access wireless system	370/337
33	US 6483427 B1	20021119	33	Article tracking system	340/10.1
34	US 6466515 B1	20021015	16	Power-efficient sonar system employing a waveform and processing method for improved range resolution at high doppler sensitivity	367/101
35	US 6405147 B1	20020611	26	Signal transfer device measurement system and method	702/112
36	US 6366568 B1	20020402	41	Transfer station for wireless telephone distribution system with time and space diversity transmission	370/320

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30	359/368; 359/386	Lauer, Vincent	US 6525875
31	342/153; 342/165; 342/173; 342/174	Sweeney, Anthony et al.	US 6498582
32	370/347; 455/101; 455/131; 455/422. 1; 455/507	Schmutz, Thomas R. et al.	US 6487187
33	340/5.8; 340/573. 1; 340/573. 4; 340/825. 49; 342/42; 342/44	Werb, Jay	US 6483427
34	367/99	Alsup, James M. et al.	US 6466515
35	702/108; 702/182; 702/57; 702/70; 702/75	Fera, Peter P.	US 6405147
36	370/321; 370/327; 370/330; 370/335; 370/337; 370/478; 370/479; 370/480; 370/485; 370/501; 375/141; 375/347; 455/14	Bolgiano, D. Ridgely et al.	US 6366568

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37	US 6353406 B1	20020305	50	Dual mode tracking system	342/118
38	US 6310704 B1	20011030	112	Communication apparatus for transmitting and receiving signals over a fiber-optic waveguide using different frequency bands	398/9
39	US 6308080 B1	20011023	19	Power control in point-to-multipoint systems	455/522
40	US 6307868 B1	20011023	127	Apparatus and method for SCDMA digital data transmission using orthogonal codes and a head end modem with no tracking	370/485
41	US 6256485 B1	20010703	15	Wideband radio receiver	455/161.1
42	US 6246698 B1	20010612	58	In-band on-channel digital broadcasting method and system	370/487
43	US 6215983 B1	20010410	113	Method and apparatus for complex phase equalization for use in a communication system	455/63.1
44	US 6208295 B1	20010327	114	Method for processing radio signals that are subject to unwanted change during propagation	342/378
45	US 6185409 B1	20010206	87	Network engineering/systems engineering system for mobile satellite communication system	455/12.1
46	US 6101399 A	20000808	26	Adaptive beam forming for transmitter operation in a wireless communication system	455/561
47	US 6100841 A	20000808	19	Radio frequency receiving circuit	342/149
48	US 6075817 A	20000613	45	Compressive communication and storage system	375/240

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37	340/10.1; 340/573. 1; 340/825. 49; 342/42; 342/44	Lanzl, Colin et al.	US 6353406
38		Dogan, Mithat Can et al.	US 6310704
39	455/127. 2; 455/561; 455/69	Burt, Donald G. et al.	US 6308080
40	370/516; 375/325; 375/326	Rakib, Selim Shlomo et al.	US 6307868
41	455/196. 1	Heard, William L.	US 6256485
42	370/529; 375/347	Kumar, Derek D.	US 6246698
43	375/324; 375/325; 375/340; 455/303; 455/304	Dogan, Mithat Can et al.	US 6215983
44	342/361; 342/362	Dogan, Mithat Can et al.	US 6208295
45	455/427	Threadgill, Michael E. et al.	US 6185409
46	342/367; 375/232; 455/276. 1; 455/65	Raleigh, Gregory Gene et al.	US 6101399
47	342/153; 342/165; 342/173; 342/174	Toth, John et al.	US 6100841
48	375/377; 380/42	Gruenberg, Elliot L.	US 6075817



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49	US 6064694 A	20000516	37	Frequency translating device transmission response system	375/224
50	US 6061555 A	20000509	158	Method and system for ensuring reception of a communications signal	455/313
51	US 6032028 A	20000229	35	Radio transmitter apparatus and method	455/110
52	US 6018317 A	20000125	122	Cochannel signal processing system	342/378
53	US 6014407 A	20000111		Method and system for simultaneously broadcasting and receiving digital and analog signals	375/140
54	US 5956624 A	19990921		Method and system for simultaneously broadcasting and receiving digital and analog signals	455/65
55	US 5953637 A	19990914		Time slot recovery for remote in-band translator in time division multiple access wireless system	455/11.1
56	US 5949813 A	19990907		Method and system for simultaneously broadcasting and receiving digital and analog signals	375/142
57	US 5949796 A	19990907		In-band on-channel digital broadcasting method and system	370/529
58	US 5937006 A	19990810		Frequency translating device transmission response method	375/224
59	US 5909193 A	19990601		Digitally programmable radio modules for navigation systems	342/410
60	US 5903598 A	19990511		Method and system for simultaneously broadcasting and receiving digital and analog signals	375/150
61	US 5859879 A	19990112		Wireless telephone distribution system with time and space diversity transmission	370/330

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49	324/601; 324/615; 324/76.2 3; 324/76.4 3	Clark, Christopher Joseph et al.	US 6064694
50	370/497; 375/296; 455/102	Bultman, Michael J. et al.	US 6061555
51	332/117; 332/144; 455/103	Dickey, Daniel L. et al.	US 6032028
52	342/373	Dogan, Mithat Can et al.	US 6018317
53	370/208; 375/295	Hunsinger, Bill J. et al.	
54	375/285	Hunsinger, Bill J. et al.	
55	370/324; 370/519; 455/67.1 6	Coons, David D. et al.	
56	375/216; 375/260; 375/285; 375/286; 375/296	Hunsinger, Bill J. et al.	
57	370/487; 375/347	Kumar, Derek D.	
58	324/601; 324/615; 324/76.2 3; 324/76.4 3	Clark, Christopher Joseph et al.	
59	342/413; 701/17	Phillips, William C. et al.	
60	370/208; 708/250	Hunsinger, Bill J. et al.	
61	370/335; 375/141; 455/101	Bolgiano, D. Ridgely et al.	

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62	US 5859878 A	19990112		Common receive module for a programmable digital radio	375/316
63	US 5748677 A	19980505		Reference signal communication method and system	375/285
64	US 5745525 A	19980428		Method and system for simultaneously broadcasting and receiving digital and analog signals	375/285
65	US 5663990 A	19970902		Wireless telephone distribution system with time and space diversity transmission	375/138
66	US 5614914 A	19970325		Wireless telephone distribution system with time and space diversity transmission for determining receiver location	342/364
67	US 5502688 A	19960326		Feedforward neural network system for the detection and characterization of sonar signals with characteristic spectrogram	367/131
68	US 5455964 A	19951003		Stabilization of frequency and power in an airborne communication system	455/516
69	US 5162723 A	19921110		Sampling signal analyzer	324/76.19
70	US 4548082 A	19851022		Hearing aids, signal supplying apparatus, systems for compensating hearing deficiencies, and methods	73/585
71	US 4276553 A	19810630		Apparatus and method for determining the position of a radiant energy source	342/357.17
72	US 4140972 A	19790220		System for synchronizing synthesizers of communication systems	455/68
73	US 4119964 A	19781010		Systems and methods for determining radio frequency interference	342/173

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62	455/74	Phillips, William C. et al.	
63	375/229; 375/260; 375/355; 375/362	Kumar, Derek D.	
64	375/147; 375/216; 375/344; 375/346	Hunsinger, Bill J. et al.	
65	375/141	Bolgiano, D. Ridgely et al.	
66	342/457	Bolgiano, D. Ridgely et al.	
67	367/135; 367/901	Recchione, Michael C. et al.	
68	342/418; 455/431; 455/522; 455/63.1; 455/67.1 4; 455/69; 455/71	Roos, David A. et al.	
69	324/121R; ; 455/295; 702/77	Marzalek, Michael S. et al.	
70	381/320; 381/328; 600/559	Engebretson, A. Maynard et al.	
71	342/452	Schaefer, Gustave J.	
72	375/357; 375/364; 455/265; 455/502	Fletcher, James C. Administrator of the National Aeronautics and Space et al.	
73	455/67.1 3	Fletcher, James C. Administrator of the National Aeronautics and Space et al.	

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74	US 3996590 A	19761207		Method and apparatus for automatically detecting and tracking moving objects and similar applications	342/465
75	US 3953856 A	19760427		Method and apparatus for mapping and similar applications	342/458
76	US 3795911 A	19740305		METHOD AND APPARATUS FOR AUTOMATICALLY DETERMINING POSITION-MOTION STATE OF A MOVING OBJECT	342/106

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74	342/107; 342/126; 701/223; 701/300	Hammack, Calvin Miles	
75	342/125; 342/126; 342/191	Hammack, Calvin Miles	
76	342/107; 342/463	Hammack, Calvin Miles	

L Number	Hits	Search Text	DB	Time stamp
1	554	(frequency adj2 translat\$3) and calibrat\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/03 11:03
2	31	((frequency adj2 translat\$3) and calibrat\$4) and vector near3 estimat\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/03 10:51
3	546	(frequency adj2 translat\$3) and calibrat\$4 and signal	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/03 11:04
4	1112089	((frequency adj2 translat\$3) and calibrat\$4 and signal) and compar\$4 sampl\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/03 11:05
5	511	((frequency adj2 translat\$3) and calibrat\$4 and signal) and (compar\$4 sampl\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/03 11:05
6	511	((frequency adj2 translat\$3) and calibrat\$4 and signal) and (compar\$4 sampl\$3) and (signal generat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/03 11:06
7	272	((frequency adj2 translat\$3) and calibrat\$4 and signal) and (compar\$4 sampl\$3) and (signal generat\$3) and (estimat\$4 vector)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/03 11:07
8	76	((frequency adj2 translat\$3) and calibrat\$4 and signal) and (compar\$4 sampl\$3) and (signal generat\$3) and (estimat\$4 vector) and pluralit\$3 and tone	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/03 11:08
-	1036	375/224.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:51
-	231	375/225.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:51
-	177	375/226.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:52
-	688	375/285.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:53
-	1291	375/346.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:53
-	852	375/347.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:53
-	554	375/349.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:54

-	4450	1, 2, 3, 4, 5, 6, 375/349.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:55
-	0	455/67.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:55
-	0	455/63.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:56
-	123	455/284.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:56
-	0	455/226.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:56
-	672	455/226.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:56
-	1196	455/296.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:56
-	136	455/131.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:57
-	544	455/313.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:57
-	186	455/316.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:57
-	2772	11, 13, 14, 15, 16, 455/316.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:58
-	0	(period\$3 adj1 calibrat\$4) near3 (pluralit\$3 adj1 tone)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 15:17
-	6	calibrat\$4 near3 (pluralit\$3 adj1 tone)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 15:16
-	249963	calibrat\$4 same1 (pluralit\$3 adj1 tone)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 15:38
-	3208	(period\$3 adj1 calibrat\$4) same1 (pluralit\$3 adj1 tone)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 15:18
-	8	((period\$3 adj1 calibrat\$4) same1 (pluralit\$3 adj1 tone)) and (observ\$3 adj2 sample)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/03 10:48



-	248229	calibrat\$4 same1 (pluralit\$3 adj1 tone) and vector	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 15:39
-	67776	( calibrat\$4 same1 (pluralit\$3 adj1 tone) and vector) and mis\$match or mismatch	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 15:40
-	163	(( calibrat\$4 same1 (pluralit\$3 adj1 tone) and vector) and mis\$match or mismatch) and (1, 2, 3, 4, 5, 6, 375/349.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 15:40
-	90	(( calibrat\$4 same1 (pluralit\$3 adj1 tone) and vector) and mis\$match or mismatch) and (11, 13, 14, 15, 16, 455/316.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 15:40
-	11	(( calibrat\$4 same1 (pluralit\$3 adj1 tone) and vector) and mis\$match or mismatch) and (1, 2, 3, 4, 5, 6, 375/349.ccls.) and ((( calibrat\$4 same1 (pluralit\$3 adj1 tone) and vector) and mis\$match or mismatch) and (11, 13, 14, 15, 16, 455/316.ccls.))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 15:41